

What is claimed is:

1 1. A method for managing telephone services provided through a HFC network
2 platform having at least a video display device and a telephone device, the method comprising
3 the steps of:

- 4 (a) detecting an off-hook state of a telephone device at a network element located at
5 or substantially near a subscriber's residence;
6 (b) receiving at said network element a set of digits from the telephone device;
7 (c) determining a service requested by the subscriber based on the received set of
8 digits; and
9 (d) controlling the display on the video display device in association with the
10 information associated with the requested service.

1 2. The method described in claim 1 further comprising the step of:

- 2 (e) muting the audio of the video display device during an off-hook state.

1 3. The method described in claim 1 wherein the requested service is a telephone call.

1 4. The method described in claim 1 wherein the requested service is a retrieval of call
2 logs.

1 5. The method described in claim 1 wherein the requested service is a directory service.

1 6. The method described in claim 1 wherein the information displayed on the video
2 display device is a telephone listing.

1 7. The method described in claim 1 wherein the information displayed on the video
2 display device is a call progress status.

1 8. The method described in claim 1 wherein the information displayed on the video
2 display device is a call state.

1 9. The method described in claim 1 wherein the information displayed on the video
2 display device is a list of callers.

1 10. The method of claim 1 wherein the network element is a communication gateway.

1 11. The method of claim 1 wherein the network element is a set-top box.

1 12. A method for synchronizing the delivery of video and telephone services through an
2 HFC platform having a video display device and a telephone device, the method comprising
3 the steps of:

- 4 (a) receiving a control signal indicating an incoming telephone call to a subscriber
5 at a network element located substantially near the subscriber's residence and at
6 a time when a video program is being delivered to said subscriber's residence
7 through the video display device; and
8 (b) selectively interrupting the delivery of the video program to the video display
9 device when the telephone call is answered.

1 13. The method of claim 12 further comprising the step of:

- 2 (c) resuming the delivery of the video program when the telephone call ends.

1 14. The method of claim 12 wherein the interruption of step (b) is performed by
2 recording the video program into a video recording device.

1 15. The method of claim 14 wherein the video recording device stores the video program
2 in a segmented buffer.

1 16. The method of claim 12 wherein the interruption of step (b) is performed by pausing
2 the video program.

1 17. A method for synchronizing the delivery of video and telephone services through an
2 HFC telephony service platform having a video display device and a telephone device, the
3 method comprising the steps of:

- 4 (a) receiving a control signal indicating an incoming telephone call to a subscriber
5 at a network element located at or substantially near the subscriber's residence
6 and at a time when a video program is being delivered to said subscriber's
7 residence through the video display device; and
8 (b) displaying on the video display device a menu option providing an opportunity
9 for the subscriber to synchronize the simultaneous reception of the video
10 program and the telephone call.

1 18. The method of claim 17 wherein the synchronization of step (b) is performed by
2 recording the video program into a video recording device while the telephone call is in
3 progress.

1 19. The method of claim 18 wherein the video recording device stores the video program
2 into a segmented buffer.

1 20. The method of claim 17 wherein the synchronization of step (b) is performed by
2 pausing the video program when the telephone call is answered.

1 21. The method of claim 17 wherein the synchronization of step (b) is performed by
2 muting the audio of the video program when the telephone call is answered.

1 22. A system for managing video and telephone services through an HFC platform
2 having a telephone device and video display device, the system comprising service manager
3 coupled to said telephone device and said video display device whereby the service manager
4 (i) detects an off-hook state of the telephone device;
5 (ii) receives digits from the telephone device;
6 (iii) determines the requested service by a subscriber based on said digits;
7 and
8 (iv) controls the display on the video display device of information
9 associated with the requested service.
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1 23. The system of claim 22 wherein the service manager is part of a set-top box.

1 **24.** The system of claim 22 wherein the service manager is part of a communication
2 gateway.

1 **25.** A system for synchronizing the delivery of video and telephone services through
2 an HFC telephony service platform having a telephone device and a video display device, the
3 system comprising:

4 (a) a service synchronization module coupled to both the video display device and
5 the video display device for temporarily interrupting a delivery of a video
6 program to said video display device when a telephone call is answered.

1 **26.** The system of claim 25 wherein the service synchronization module further
2 resumes the delivery of the video program after the telephone call is terminated.

1 **27.** The system of claim 25 wherein the service synchronization module is part of a
2 set-top box.

1 **28.** The system of claim 25 wherein the service synchronization module is part of a
2 communications gateway.

1 **29.** The system of claim 25 wherein the service synchronization module interrupts the
2 video program delivery by recording the video program into a video recording device.

1 **30.** The system of claim 29 wherein the video recording device stores the video
2 program in a segmented buffer.

1 **31.** The system of claim 25 wherein the service synchronization module interrupts the
2 video program delivery by pausing the video program.